MEGA Bluetooth V2.0 USB HUB 6-Port

Installation and User Guide

Life Support Applications

This product is not designed for use in life support appliances, devices, or systems where malfunction of the product can reasonably be expected to result in personal injury. Customers using this product for use in such applications do so at their own
risk and agree to fully indemnify MSI for any damages resulting from such improper use or sale.

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Introduction

Thank you for purchasing the ***MEGA 6-Port USB 2.0 Hub + BT 2.0.***
This product allows you to connect up to six high power USB devices into a single USB port on your desktop or laptop computer. And for the Bluetooth dongle is input, which makes wireless data transmission possible and revolutionises your connectivity

Package Contents

Carefully unpack and remove the contents. If any of the following items are missing or damaged, contact the MSI store you purchased the device from.
MEGA 6-Port USB 2.0 Hub + BT 2.0*.*
Mini USB 5 Pin Cable
DC +5V power adapter (+5V, 2A Max.)
CD driver for the Bluetooth dongle
User's Manual
(Note: *Your* ***MEGA 6-Port USB 2.0 Hub + BT 2.0*** does not require the supplied power adapter to operate correctly, it is capable of drawing its power directly from your computer's USB port. If you are not using the power adaptor, the six (downstream) USB ports will function in low-power mode. If you plan to use devices with high power requirements, please connect the power adaptor.)

2 Installation and User Guide

2.1 The installation of the Bluetooth dongle

General	Hardware Interface	USB 1.1/USB 2.0
	Bluetooth specification	Bluetooth 2.0
	Data throughput	**approx.** 1.000 – 3.000 bps
	Operating voltage	5V von of USB interface
	Transmission range	**Up** to 60M
	Standards	**CE / ROHS**
Radio	Transmission frequency	2.4~2.4835GHz (2.4GHz ISM Band)
	Transmission channel	**Europe/USA/China/Japan:** Frequencies 2.400~2.4835 GHz, 79 channels; **France**: Outdoor use limited to 10mW within the band, Frequencies 2.454~2.4835 GHz, 23 channels; **Italy**: If used outside of own premises, general authorization is required.
	Modulation	Bluetooth 1.1. 1.2 - GFSK, Bluetooth 2.0 –GFSK, π/4 DQPSK, 8DPSK
	Output rating class	Bluetooth Output class 2
	Output power	+4 dBm (max.)
	Receiving Sensitivity	better than -82dBm with BER < 0,1%
	Max. Input level	-20 dBm
	Transmitting Power Check	Yes
Base band	Physical Connection	Supports ACL Connection
	Network Capability	Supports Piconet-, Point-to-Point- and Point-to-Multipoint-Connections

Connection manager	3-slot Packets, 5-slot Packets, Slot Offset, Timing Accuracy, Switch, Hold Mode, Sniff Mode, Test Mode, Park Mode, RSSI, transmission power modulation, Authentication, Encryption
Supported Systems	Windows® 2000/ME/98/XP/Vista
Supported Profiles	Generics Access Profile / Service Search Profile / Serial Port Profile / Select Network Profile / Fax Profile / LAN Access Profile / General Object Exchange Profile / File Transfer Profile / Object Push Profile / Synchronising Profile / Personal Environment Network Profile / Cable Substitute Profile/ Advanced Audio Distribution Profile/ Basic Image Profile.

Hardware Installation

1. Remove protection cap of Bluetooth USB Dongle/ Transceiving Key.

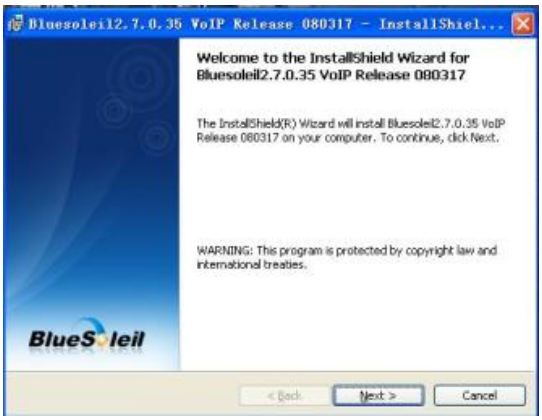
2. Connect Bluetooth USB dongle to an available USB port of your computer where you wish to provide Bluetooth. The computer can be a Desktop PC, a Laptop/Notebook PC, or any other type of PC wit Windows® 2000/ME/XP/Vista operating system and USB connections.

Take care while installing, that the USB dongle/transceiving key is placed away from transmission-inhibiting objects such as armoured walls, metal objects since the latter my cause weakening of signals and hinder Bluetooth function.

Software Installation

1. Insert software-CD supplied in your CD player. Installation program should start automatically. In the installation program choose **languages**

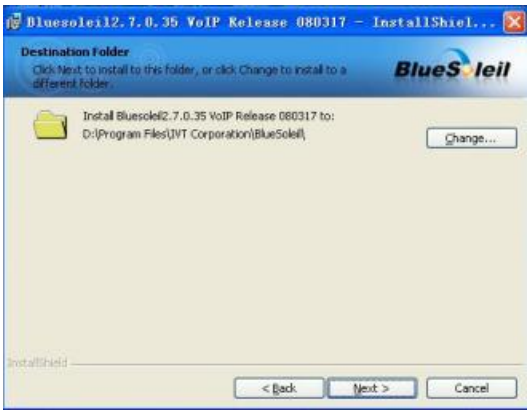
2. instructions of installation wizard to install the software.


Bluesoleil2.7.0.35 VoIP Release 080317 - InstallShiel...
Welcome to the InstallShield Wizard for Bluesoleil2.7.0.35 VoIP Release 080317
The InstallShield(R) Wizard will install Bluesoleil2.7.0.35 VoIP Release 080317 on your computer. To continue, click Next.
WARNING: This program is protected by copyright law and international treaties.
BlueSoleil
< Back
Next >
Cancel

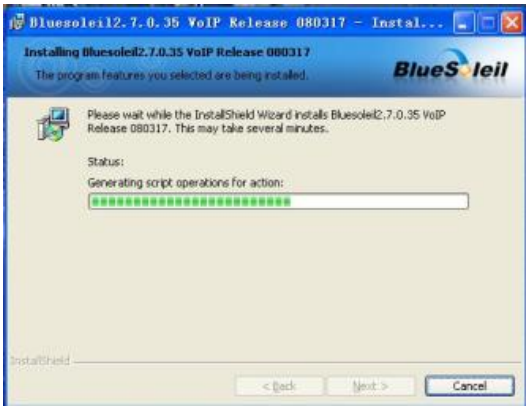
2-1. Click on ***Next***.

Bluesoleil2.7.0.35 VoIP Release 080317 - InstallShiel...
License Agreement
Please read the following license agreement carefully.
BlueSoleil
Bluesoleil End User License Agreement
NOTICE TO USER: PLEASE READ THIS AGREEMENT CAREFULLY. THE BLUESOLEIL END USER LICENSE AGREEMENT (AGREEMENT) IS A VALID AND BINDING AGREEMENT BETWEEN YOU, AS A USER, AND IVT CORPORATION (IVT). BY USING ALL OR ANY PORTION OF THE SOFTWARE, YOU ACCEPT ALL THE TERMS AND CONDITIONS
I accept the terms in the license agreement
I do not accept the terms in the license agreement
Print
InstallShield
< Back
Next >
Cancel

2-2. Click on **accept**, to accept licence conditions.

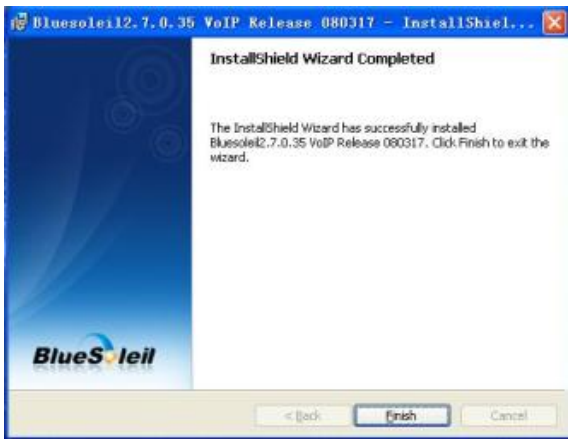

Bluesoleil2.7.0.35 VoIP Release 080317 - InstallShiel...
Destination Folder
Click Next to install to this folder, or click Change to install to a different folder.
BlueSoleil
Install Bluesoleil2.7.0.35 VoIP Release 080317 to:
D:\Program Files\IVT Corporation\BlueSoleil\
Change...
InstallShield
< Back
Next >
Cancel

2-3. Select a folder and click on ***Next*** .


Bluesoleil2.7.0.35 VoIP Release 080317 - Instal...
Installing Bluesoleil2.7.0.35 VoIP Release 080317
The program features you selected are being installed.
BlueSoleil
Please wait while the InstallShield Wizard installs Bluesoleil2.7.0.35 VoIP Release 080317. This may take several minutes.
Status:
Generating script operations for action:
InstallShield
< Back
Next >
Cancel

2-4. Files are copied.

Software Installation (2)


Bluesoleil2.7.0.35 VoIP Release 080317 - InstallShiel...
InstallShield Wizard Completed
The InstallShield Wizard has successfully installed Bluesoleil2.7.0.35 VoIP Release 080317. Click Finish to exit the wizard.
BlueSoleil
< Back
Finish
Cancel

2-5. Click on ***Finish*** to end and close installation.

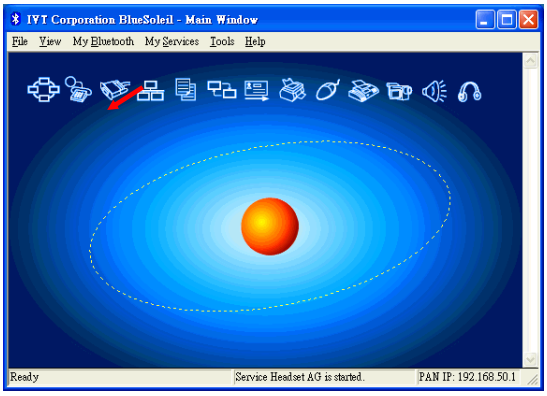
3. Once installation has ended, a **Bluetooth Utility-** icon appears on your PC and in taskbar bar.

Bluetooth Utility

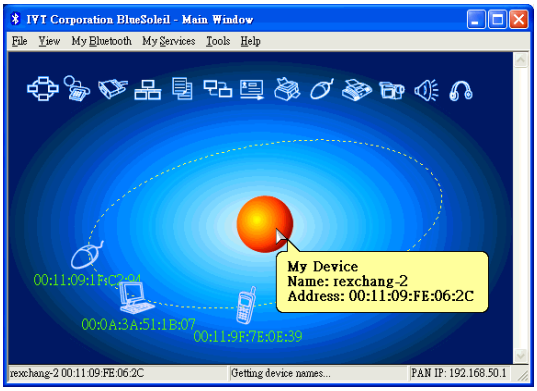
Note: You may possibly be asked to insert Window Installation CD during the software installation in case you are using 98SE/ME. In such case, insert the Windows Installation CD and follow the instructions of installation wizard to subsequently install missing Windows components.

Using software

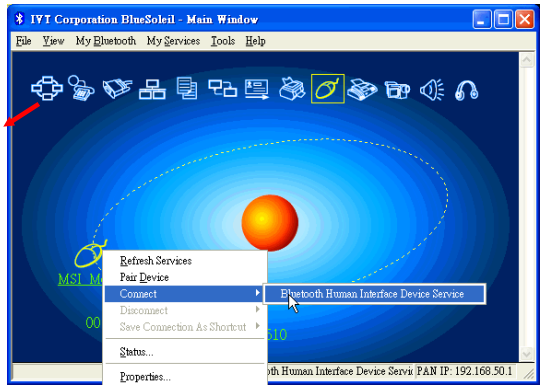
1. On clicking on Bluetooth utility icon a picture as shown alongside appears on your screen. Double-click on the sun symbol in the centre.


IVT Corporation BlueSoleil - Main Window
File View My Bluetooth My Services Tools Help
Ready
Service Headset AG is started.
PAN IP: 192.168.50.1

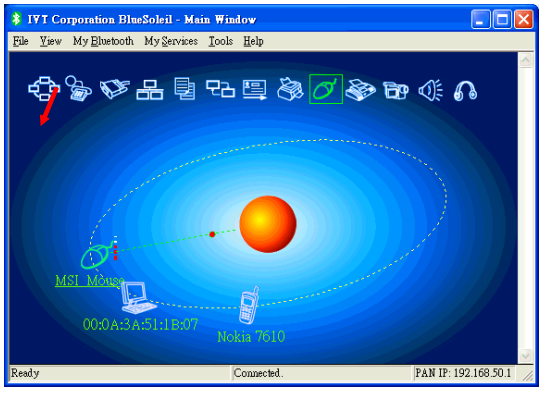
2. All Bluetooth devices in the vicinity are searched.



3. With right mouse button, click on that device that you wish to establish connection with and select the option **Connect**.

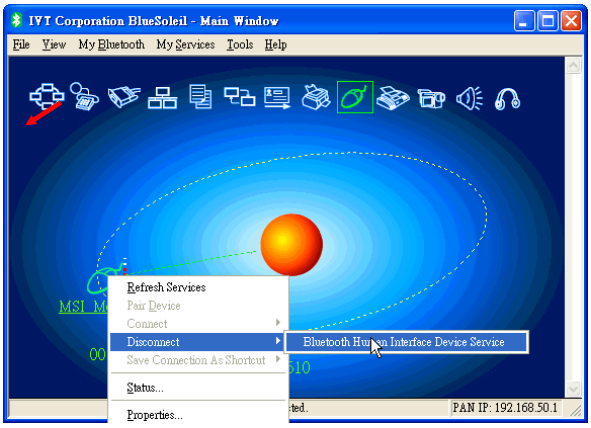


4. As soon as a connection is established, a line appears connecting the sun with the device.



5. Bluetooth Utility Symbol now turns green (connection established).

6. Click on the device with right mouse button and select **Disconnect** to terminate connection.



2.2 The installation of the USB HUB

2.2.1 Minimum System Requirements

. Supported Operating System

o Linux 2.4.x or above
o Windows 98SE / Me / 2000 / XP /VISTA
o Mac OS X 9 or above
. Notebook or PC with an available USB port

2.2.2 Features & Specifications

Features:

.6 Downstream (USB 2.0 A-type) ports and 1 Upstream port
. Complies with USB specification 1.1 and 2.0

. Supports High-Speed (480Mbps), Full-Speed (12Mbps) and Low-Speed (1.5Mbps) USB device profiles

. Per-Port Over-Current detection and protection (when power adaptor connected)
. Supplies USB bus power (when power adaptor connected)

. Automatic switching between self-powered and bus-powered mode Supports Plug & Play
. Pocket size with mini USB connector

Specifications:

. Dimensions: 10.8x4.5x1.5CM (LxWxH)
. Connected Cable length: 0.8m
. Connecting port type: USB
. Compliant with USB version: USB 1.1 / 2.0
. Over-Current protection: Yes
. Bus-Power limit current protection: 500mA (When external adaptor applied)
. USB port in use LED indicator: Yes
. Power: By host or external adaptor
. Power adaptor: AC-DC +5V max. 2A

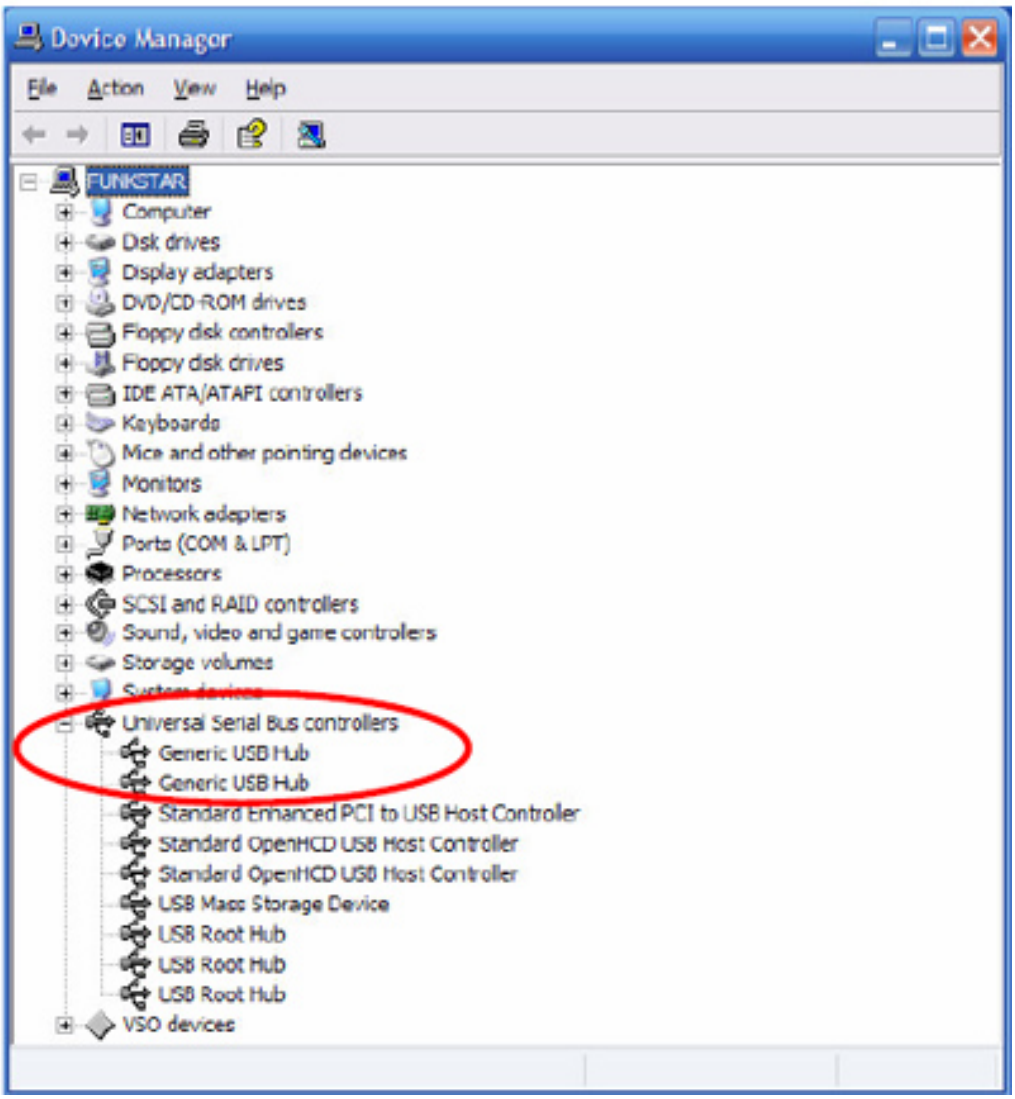
(NOTE: The LED's indicating the USB port in use only lights up if the device is using the USB data bus. For devices that do not use the data bus such as USB trickle chargers, cup warmers etc. the devices will operate although the corresponding LED's will not light up.)

(Note: For High Power devices such as external USB BUS Powered hard drives, the user may need to use a "Y" type USB cable which requires the use of two USB ports. This cable is usually supplied with such external USB devices.)

2.2.3 Installation Instructions

2.2.3.1 Windows Installation

Microsoft Windows 98SE, Me, 2000 and XP all have built-in support for your MSI USB 2.0 HUB. To install, simply connect the MSI USB 2.0 HUB to an available USB port on your computer.
You can verify that the MSI USB 2.0 HUB has been detected by opening device manager and ensuring that under the heading "Universal Serial Bus controllers", there are two entries for "Generic USB Hub".



2.2.3.2 Linux Installation

Supported Linux versions are 2.4 through 2.6. The USB subsystem (modules ohcihcd and ehci-hcd) has been included with the standard Linux kernel sources since version 2.4. The subsystem is also distributed as a patch for adding it to Linux kernel version 2.2.

To install, simply connect the MSI USB 2.0 HUB to an available USB port on your computer. Once the MSI USB 2.0 HUB has been connected, the Linux lsusb command can be used to verify that an entry of “Genesys Logic, Inc.” (iProduct : USB2.0 Hub) is present.

2.2.4 Support

Should you encounter problems with the installation of this device, please follow these steps:

1. Ensure that the Mini USB cable is plugged in properly
2. Try using a different USB port for the upstream connector
3. In case of devices requiring high currents ensure that the power adaptor is plugged in as the protection switch does not allow the high current devices to work without the adaptor.
4. Contact MSI support operates during normal business hours.

. Phone: **0049-1805-215 521**
. Or call into your nearest MSI store

(Note: Consumers are advised not to rely on our ability to provide support for Open Source, GNU, Freeware or Shareware software, as this software is often under continual development. We will however help where we can which may be limited to providing web links only. Windows software that does not fall into the categories above is supported.
Please visit our website http://www.msi-computer.de from time to time as the most up-to-date drivers and manuals will be posted there.)

2.2.5 Warranty

This device is supplied with a 24-month, non-transferable end user warranty. In the unlikely event that this device should fail within the warranty period, please return it, along with your purchase receipt, to your nearest MSI store.
(Note: Damage due to misuse, abuse or electromagnetic discharge (including, but not limited to lightning, etc) is not covered by warranty.)